CLAIMS

WHAT IS CLAIMED IS:

- 1. A composition comprising:
 - A. from about 0.1 to about 25% by weight of conductive carbon; and
 - B. a corrosion inhibitor, wherein said corrosion inhibitor is present in an amount effective to reduce the dissolution of metal from a metallic surface in contact with said composition.
- 2. The composition of claim 1 wherein said conductive carbon is selected from the group consisting of carbon black, graphite, and combinations thereof.
- 3. The composition of claim 1 wherein said corrosion inhibitor is present in an amount effective to prevent the dissolution of metal from said metallic surface in contact with said composition.
- 4. The composition of claim 1 wherein said amount of said corrosion inhibitor is from about 1 ppm to about 1% by weight.
- 5. The composition of claim 1 wherein said amount of said corrosion inhibitor is from about 50 ppm to about 4000 ppm.
- 6. The composition of claim 1 wherein said amount of said corrosion inhibitor is from about 200 ppm to about 600 ppm
- 7. The composition of claim 1 wherein said corrosion inhibitor is at least one of an imidazole, a triazole, an indole, an azole, a thiazole, or a tetrazole.
- 8. The composition of claim 1 wherein said corrosion inhibitor is benzotriazole or tolyltriazole.
- 9. The composition of claim 1 wherein said metal is copper.
- 10. A composition comprising:

A. a base; and

- B. a corrosion inhibitor, wherein said corrosion inhibitor is present in an amount effective to reduce the dissolution of metal from a metallic surface in contact with said composition.
- 11. The composition of claim 10, wherein said base is selected from the group consisting of monoethanolamine, hydroxide, carbonate, and combinations thereof.
- 12. The composition of claim 10, further comprising a conditioning agent, a cleaning ingredient, or both.
- 13. The composition of claim 10, further comprising an ingredient selected from a binding agent, an anionic dispersing agent, or both.
- 14. The composition of claim 10 wherein said corrosion inhibitor is present in an amount effective to prevent the dissolution of metal from said metallic surface in contact with said composition.
- 15. The composition of claim 10 wherein said amount of said inhibitor is from about 1 ppm to about 1% by weight.
- 16. The composition of claim 10 wherein said amount of said corrosion inhibitor is from about 50 ppm to about 4000 ppm.
- 17. The composition of claim 10 wherein said amount of said corrosion inhibitor is from about 200 ppm to about 600 ppm
- 18. The composition of claim 10 wherein said corrosion inhibitor is at least one of an imidazole, a triazole, an indole, an azole, a thiazole, or a tetrazole.
- 19. The composition of claim 10 wherein said corrosion inhibitor is selected from the group consisting of benzotriazole, sodium mercaptobenzothiazole, thiourea, tolyltriazole, 3-amino-1,2,4-triazole, and combinations thereof.
- 20. The composition of claim 10 wherein said metal is copper.
- 21. A method to reduce the dissolution of metal from a metallic surface in a corrosive composition, comprising:
 - providing a corrosive composition;

adding an effective amount of a corrosion inhibitor to said corrosive composition to reduce its corrosiveness; and

applying said composition to said metallic surface.

- 22. The method of claim 21 wherein said amount of said corrosion inhibitor is from about 1 ppm to about 1% by weight.
- 23. The method of claim 21 wherein said amount of said corrosion inhibitor is from about 50 ppm to about 4000 ppm by weight.
- 24. The method of claim 21 wherein said amount of said corrosion inhibitor is from about 200 ppm to about 600 ppm by weight.
- 25. The method of claim 21 wherein said corrosion inhibitor is at least one of an imidazole, a triazole, an indole, an azole, a thiazole, or a tetrazole.
- 26. The method of claim 21 wherein said corrosion inhibitor is selected from the group consisting of benzotriazole, sodium mercaptobenzothiazole, thiourea, tolyltriazole, 3-amino-1,2,4-triazole, and combinations thereof.
- 27. The method of claim 21 wherein said metal is copper.
- 28. A method to stabilize or recover a corrosive composition, comprising:

presenting a corrosive composition;

presenting a metallic surface to said corrosive composition under conditions effective to dissolve metal from said metallic surface;

dissolving metal from said metallic surface in said corrosive composition;

- adding a corrosion inhibitor to said corrosive composition in an amount effective to stabilize or recover said corrosive composition.
- 29. The method of 28 wherein said corrosion inhibitor is added to prevent gel formation in said corrosive inhibitor.
- 30. The method of claim 28 wherein said corrosion inhibitor is added after gel formation has occurred in said corrosive composition.

- 31. The method of claim 30 wherein said corrosion inhibitor is added in an amount effective to at least partially reverse said gel formation.
- 32. The method of claim 28 wherein said amount of said corrosion inhibitor is from about 1 ppm to about 1% by weight.
- 33. The method of claim 28 wherein said amount of said corrosion inhibitor is from about 50 ppm to about 4000 ppm.
- 34. The method of claim 28 wherein said amount of said corrosion inhibitor is from about 200 ppm to about 600 ppm
- 35. The method of claim 28 wherein said corrosion inhibitor is at least one of an imidazole, a triazole, an indole, an azole, a thiazole, or a tetrazole.
- 36. The method of claim 28 wherein said corrosion inhibitor is selected from the group consisting of benzotriazole, sodium mercaptobenzothiazole, thiourea, tolyltriazole, 3-amino-1,2,4-triazole, and combinations thereof.
- 37. The method of claim 28 wherein said metal is copper.